

## MARINE MAMMAL DIVISION PUBLICATIONS - 2000

- Allen, A.C., S.L. Mesnick and T. Gerrodette. 2000. Evasive behavior of eastern tropical Pacific dolphins relative to research vessels, 1986-90 and 1998. SWFSC Admin Rept. LJ-00-09. 42p.
- Brownell, R.L., Jr., B.E. Curry, W. V.Bonn, and S.H. Ridgway. 2000. Conservation Conundrum. Science 288:2319-2320.
- Carretta, J.V., M.S. Lowry, C.E. Stinchcomb, M.S. Lynn, and R.E. Cosgrove. 2000. Distribution and abundance of marine mammals at San Clemente Island and surrounding offshore waters: Results from aerial and ground surveys in 1998 and 1999. SWFSC Admin. Rept. LJ-00-02. 44p.
- Dizon, A., S. Baker, F. Cipriano, G. Lento, P. Palsbøll, and R. Reeves. 2000. Molecular genetic identification of whales, dolphins, and porpoises: Proceedings of a workshop on the forensic use of molecular techniques to identify wildlife products in the marketplace. NOAA Technical Memorandum NOAA-TM-NMFS-SWFSC-286. 51p.
- Donahue, M.A., B.L. Taylor and S.B. Reilly. 2000. IDCRA research program chase-recapture experiment consultation, Southwest Fisheries Science Center, La Jolla, CA, 25-26 April 2000. Admin. Rept. LJ-00-15. 14p
- Escorza-Trevino, S., and A.E. Dizon. 2000. Phylogeography, intraspecific structure, and sex-biased dispersal of Dall's porpoise, *Phocoenoides dalli*, revealed by mitochondrial and microsatellite DNA analysis. Molecular Ecology 9:1049-1060.
- Finneran, J.J., C.W. Oliver, K.M Schaefer, and S.H. Ridgway. 2000. Source levels and estimated yellowfin tuna (*Thunnus albacares*) detection ranges for dolphin jaw pops, breaches, and tail slaps. J. Acoust. Soc. Am. 107(1):649-656.
- Forcada, J. and A. Aguilar. 2000. Use of photographic identification in capture-recapture studies of Mediterranean monk seals. Marine Mammal Science 16:767-793.
- Forcada, J. 2000. Can population surveys show if the Mediterranean monk seal colony at Cap Blanc is declining in abundance? Journal of Applied Ecology 37:171-181.
- Forney, K.A. 2000. Monitoring marine mammal and seabird bycatch in the Monterey area set gillnet fishery. In: J. Carless (ed). Ecosystem Observations, Annual Report of the Monterey Bay National Marine Sanctuary 1999. (1 page article)
- Forney, K.A. 2000. Environmental models of cetacean abundance: a step towards reducing uncertainty in population trends. Conserv. Biol. 14(5):1271-1286
- Gerrodette, T. 2000. Preliminary estimates of 1999 abundance of four dolphin stocks in the eastern tropical Pacific. SWFSC Admin. Rept. LJ-00-12. 18p.

Hyrenbach, K.D., K.A. Forney and P.K. Dayton. 2000. Marine protected areas and ocean basin management. *Aquatic Conservation: Marine and Freshwater Ecosystems* 10:437-458.

Kinzey, D., T. Gerrodette, J. Barlow, A. Dizon, W. Perryman and P. Olson. 2000. Marine mammal data collected during a survey in the eastern tropical Pacific Ocean aboard the NOAA Ships *McArthur* and *David Starr Jordan*, July 28 - December 9, 1999. NOAA Technical Memorandum NOAA-TM-NMFS-SWFSC-293. 89 pp.

Kinzey, D., P. Olson and T. Gerrodette. 2000. Marine mammal data collection procedures on research ship line-transect surveys by the Southwest Fisheries Science Center. SWFSC Admin Rept. LJ-00-08. 32p.

Mobley, J.R., Jr. S. Spitz, K.A. Forney, R. Grotfendt., and P.H. Forestell. 2000. Distribution and abundance of odontocete species in Hawaiian waters: Preliminary results of 1993-98 aerial surveys. SWFSC Admin. Rept. LJ-00-14C. 26 pp.

Nachtigal, P., W. Au. J. Pawloski, K. Andrews and C. Oliver. 2000. Measurements of the low frequency components of active and passive sounds produced by dolphins. SWFSC Admin. Rept. LJ-00-07C. 20 p.

Nachtigal, P.E, W.W.L. Au., J.L. Pawloski, K. Andrews and C. W. Oliver. 2000. Measurements of the low frequency components of active and passive sounds produced by dolphins. *Aquatic Mammals* 26(3):167-174.

Norris, T., J. Jacobsen, and S. Cerchio. 2000. (Contract Report) A comparative analysis of humpback whale songs recorded in pelagic waters of the eastern North Pacific: Preliminary findings and implications for discerning migratory routes and assessing breeding stock identity. NOAA Tech. Memo. NOAA-TM-NMFS-SWFSC-295. 29p.

Olson, P.A., R.L. Pitman, L.T. Ballance, and S.B. Reilly. 2000. Summary of seabird, marine turtle, and surface fauna data collected during a survey in the eastern tropical Pacific Ocean July 30 - December 9, 1998. NOAA Technical Memorandum NOAA-TM-NMFS-SWFSC-298. 69p.

Pabst, D.A., W.A. McLellan, S.A. Rommel, T.K. Rowles, R.S. Wells, T.M. Williams, and Andrew J. Westgate. 2000. Final report. Measuring surface and deep body temperatures of dolphins in the eastern tropical Pacific: Is thermal stress associated with chase and capture in the ETP-tuna purse-seine fishery? SWFSC Admin. Rept. LJ-00-13C.

Perkins, P.C. 2000. The feasibility of using tuna vessel observer data to estimate trends in dolphin abundance. SWFSC Admin. Rept. LJ-00-03. 18 p.

Ralls, K. and B.L. Taylor. 2000. Special Section: Better policy and management decisions through explicit analysis of uncertainty: approaches from marine conservation. *Conservation Biology*: 1240-1242

- Rosenbaum, H.C., R.L. Brownell, Jr., M.W. Brown, C. Schaeff, V. Portway, B.N. White, S. Malik, L.A. Pastene, N.J. Patenaude, C.S. Baker, M. Goto, P.B. Best, P.J. Clapham, P. Hamilton, M. Moore, R. Payne, V. Rowntree, C.T. Tynan, J.L. Bannister, and R. DeSalle. 2000. World-wide genetic differentiation of *Eubalaena*: questioning the number of right whale species. *Molecular Ecology* 9:1793-1802.
- Rosenbaum, H.C., M.G. Egan, P.J. Clapham, R.L. Brownell, Jr., S. Malik, M. Brown, B.N. White, P. Walsh, and R. DeSalle. 2000. Utility of North Atlantic right whale museum specimens for assessing changes in genetic diversity. *Conservation Biology* 14(6):1837-1842.
- Schaefer, K.M. and C.W. Oliver. 2000. Shape, volume and resonance frequency of the swimbladder of yellowfin tuna (*Thunnus albacares*). *Fish.Bull.* 98(2):364-374.
- Sisson, J, and E. Edwards. 2000. Consultation between NMFS and non-governmental organizations regarding a potential chase/recapture experiment: Meeting report. SWFSC Admin. Rept. LJ-00-04. 24p.
- Slooten, E., D. Fletcher, and B. Taylor. 2000. Accounting for uncertainty in risk assessment: Case study of Hector's dolphin mortality due to gillnet entanglement. *Conservation Biology* 12:64-1270.
- Taylor, B. L., P. R. Wade, D. P. DeMaster, and J. Barlow. 2000. Incorporating uncertainty into management models for marine mammals. *Conservation Biology* 14:1243-1252.
- Taylor, B. L., S. J. Chivers, S. Sexton and A. E. Dizon. 2000. Estimating dispersal rates using mitochondrial DNA data and incorporating uncertainty. *Conservation Biology* 14:1287-1297.
- Taylor, B. L. and P. Wade. 2000. "Best" abundance estimates and best management: why they are not the same. In: (Ferson, S. and Burgman, M. Eds.) Quantitative Methods for Conservation Biology. Springer-Verlag, New York, New York.
- Thode, A., T. Norris, and J. Barlow. 2000. Frequency beamforming of dolphin whistles using a sparse three-element towed array. *J. Acoust. Soc. Am.* 107(6):3581-3584.
- Weller, D.W., and Brownell, R.L., Jr. 2000. Gray whale, *Eschrichtius robustus*: Asian or Western Pacific Population. In: The World Conservation Union (IUCN) Species Survival Commission 2000 Red List of Threatened Species. Gland, Switzerland.

Weller, D.W., Würsig, B., Lynn, S.K., and Schiro, A.J. 2000. Preliminary findings on the occurrence and site fidelity of photo-identified sperm whales (*Physeter macrocephalus*) in the northern Gulf of Mexico. *Gulf of Mexico Science*, 1:35-39.

Zorn, H.M. J.H. Churnside, and C.W. Oliver. 2000. Laser safety thresholds for cetaceans and pinnipeds. *Mar. Mamm. Sci.* 16(1):186-202.